



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

### CERTIFICATE OF INSTRUMENT ACCURACY

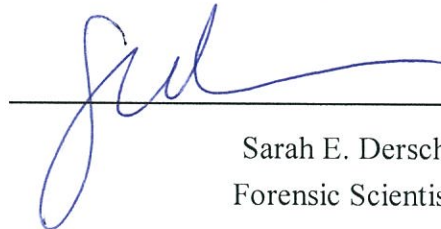
INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010528  
CERTIFICATION DATE: February 25, 2014  
DATE RECERTIFICATION DUE: August 24, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

#### Estimation of Uncertainty of Measurement:

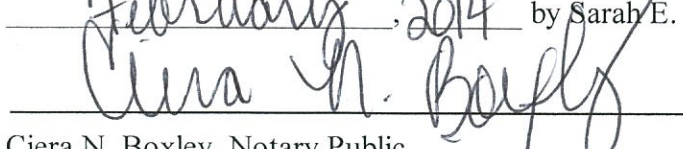
0.020 ± 0.004 g/210 L	0.150 ± 0.007 g/210 L
0.080 ± 0.004 g/210 L	0.250 ± 0.007 g/210 L

The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of k=3. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.

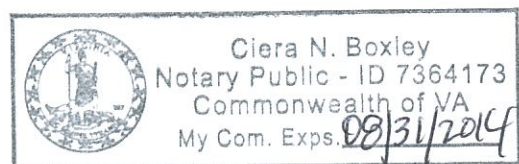
  
Sarah E. Dersch  
Forensic Scientist

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 28th day of February, 2014 by Sarah E. Dersch

  
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014  
TLN



DBH  
sed

**Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 2/25/2014**

<b>Instrument Serial Number:</b> 010528	<b>As of 25-Feb-14</b>
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Maintenance Date	Certification Date	Technician Initials	Remarks
25-Feb-14	25-Feb-14	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
12-Sep-13	12-Sep-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
04-Apr-13	04-Apr-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
21-Dec-12	21-Dec-12	SED (24178)	CERTIFIED.
08-Feb-12	08-Feb-12	TLN (25387)	CERTIFIED
18-Aug-11	18-Aug-11	SED (24178)	REPLACED DRY GAS STANDARD, CERTIFIED.
18-Mar-11	18-Mar-11	RJP (22428)	CALIBRATED AND CERTIFIED.
01-Oct-10	01-Oct-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED.
08-Apr-10	08-Apr-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
23-Oct-09	23-Oct-09	RJP (22428)	CERTIFIED.
06-May-09	06-May-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CERTIFIED.
12-Dec-08	12-Dec-08	RJP (22428)	CERTIFIED.
10-Nov-08	10-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH

gcl

**INTOX EC/IR II  
Quality Assurance Worksheet**

Instrument Serial Number **010528** Worksheet Start Date **2/25/2014**

Location **Virginia Peninsula Regional Jail**

Address **9320 Merrimac Trail Williamsburg VA 23185**

DFS Technician **Donald Hall** License No. **21250**

☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) **759** Reference Barometer (mm HG) **761**

Reference Barometer(RB)Serial # **009109** RB Calibration Due **8/1/2014**

**Measurement Assurance Check**

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	<b>0.305</b>
0.300	0.300	0.291	0.309	<b>Sample 2</b>	<b>0.305</b>
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	<b>0.305</b>
0		0.305	0.305		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	<b>0.101</b>
0.100	0.100	0.097	0.103	<b>Sample 2</b>	<b>0.101</b>
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	<b>0.101</b>
0		0.101	0.101		

Dry gas standard Lot No. (with tank no.) **AG400202-36**

☒ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies  
Mouthpieces  
Certificates of Analysis  
Operator Worksheet  
Other:

200  
250  
100

Notes:

Instrument Serial Number

010528

Certification Date

2/25/2014

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.249
0.250	0.250	0.242	0.257	Sample 2	0.249
Precision		sample min	sample max	Sample 3	0.249
0		0.249	0.249		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.150
0.150	0.150	0.145	0.154	Sample 2	0.150
Precision		sample min	sample max	Sample 3	0.150
0		0.150	0.150		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.081
0.080	0.080	0.077	0.083	Sample 2	0.081
Precision		sample min	sample max	Sample 3	0.081
0		0.081	0.081		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.020
0.020	0.020	0.017	0.023	Sample 2	0.020
Precision		sample min	sample max	Sample 3	0.020
0		0.020	0.020		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician

*Donald B Hall*

Date

*2/25/14*

Issuing Analyst

*Jed*

Date

*2/27/14*

Intox EC/IR-11: Certification

DBH  
Srel

*Department of Forensic Science*

Serial Number: 010528      Test Number: 980  
Test Date: 02/25/2014      Test Time: 13:01 EST

Technician Initials: DBH

Dry Gas Target: 0.250

Lot Number: 2961225012-09      Exp Date: 11/01/2014

Tank Pressure: 394 psi      Barometric Pressure: 759 mmHg

System Check: Passed

Test	q/210L	Time
DIAG	Pass	13:02
BLK	0.000	13:03
CHK	0.249	13:03
BLK	0.000	13:05
CHK	0.249	13:06
BLK	0.000	13:08
CHK	0.249	13:08
BLK	0.000	13:10

**Success**

Standard Value (at sea level): 0.250 q/210L

Certification Status: Continued

Intox EC/1R-11: Certification

Department of Forensic Science

Serial Number: 010528 Test Number: 981  
Test Date: 02/25/2014 Test Time: 13:13 EST

Technician Initials: DBH

Dry Gas Target: 0.150

Lot Number: 2951215012-04 Exp Date: 11/01/2014  
Tank Pressure: 977 psi Barometric Pressure: 759 mmHg  
System Check: Passed

Test	q/210L	Time
DIAG	Pass	13:14
BLK	0.000	13:14
CHK	0.150	13:15
BLK	0.000	13:17
CHK	0.150	13:18
BLK	0.000	13:19
CHK	0.150	13:20
BLK	0.000	13:22

Success

Standard Value (at sea level): 0.150 q/210L

Certification Status: Continued

DBH  
jed

Intox EC/IR-11: Certification

Department of Forensic Science

Serial Number: 010528 Test Number: 982

Test Date: 02/25/2014 Test Time: 13:24 EST

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 0771308012-01 Exp Date: 05/01/2015

Tank Pressure: 463 psi Barometric Pressure: 759 mmHg

System Check: Passed

Test	q/210L	Time
DIAG	Pass	13:25
BLK	0.000	13:25
CHK	0.081	13:26
BLK	0.000	13:27
CHK	0.081	13:28
BLK	0.000	13:30
CHK	0.081	13:30
BLK	0.000	13:32

Success

Standard Value (at sea level): 0.080 q/210L

Certification Status: Continued

DBH  
Jrd

DBH

**Intox EC/IR-11: Certification**

SL

*Department of Forensic Science*

Serial Number: 010528      Test Number: 983  
Test Date: 02/25/2014      Test Time: 13:34 EST

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0771302011-02      Exp Date: 05/01/2015  
Tank Pressure: 473 psi      Barometric Pressure: 759 mmHg  
System Check: Passed

Test	q/210L	Time
DIAG	Pass	13:34
BLK	0.000	13:35
CHK	0.020	13:36
BLK	0.000	13:37
CHK	0.020	13:38
BLK	0.000	13:39
CHK	0.020	13:40
BLK	0.000	13:41

**Success**

Standard Value (at sea level): 0.020 q/210L

Certification Status: Success



Intox EC/IR-11: Accuracy Check

DBH  
SLA

*Department of Forensic Science*

Serial Number: 010528      Test Number: 984

Test Date: 02/25/2014      Test Time: 13:44 EST

Dry Gas Target: 0.300

Lot Number: AG322702-06      Exp Date: 08/15/2015

Tank Pressure: 443 psi      Barometric Pressure: 759 mmHg

System Check: *Passed*

Test	q/210L	Time
BLK	0.000	13:45
CHK	0.305	13:45
BLK	0.000	13:48
CHK	0.305	13:48
BLK	0.000	13:50
CHK	0.305	13:51

Test Status: *Success*

Calibration CRC: 2B7C5C5E

Intox EC/IR-11: Accuracy Check

Department of Forensic Science

Serial Number: 010528 Test Number: 985

Test Date: 02/25/2014 Test Time: 13:54 EST

Dry Gas Target: 0.100

Lot Number: AG400202-36 Exp Date: 01/02/2016

Tank Pressure: 1125 psi Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	13:55
CHK	0.101	13:55
BLK	0.000	13:57
CHK	0.101	13:58
BLK	0.000	13:59
CHK	0.101	14:00

Test Status: Success

Calibration CRC: 2B7C5C5E

DBH

jad




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

DOH  
Jed

NAME OF ACCUSED  INSTRUMENT, TEST,	NAME OF COURT  DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY  HALL, DONALD, B		AGENCY  DFS Central Lab
DFS LICENSE NUMBER  21250	LICENSE EXPIRES  10/01/2014	DATE TEST CONDUCTED  02/25/2014
TEST EQUIPMENT NUMBER  010528		

RESULTS: TIME SAMPLE TAKEN 14:10 EST  
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR
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☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_ OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 25 Feb 2014 at 16:30

DBH  
JUL

## Test Results

Instrument Serial Number 010528

Test # 000986

Subject Test

Test Location 1 Department of  
Test Date 25 Feb 2014

Test Location 2 Forensic Science  
Test Time 14:03  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name HALL  
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 25 Feb 2014 End Time 14:11

Result Time 14:10

Result Date 25 Feb 2014 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:03

Data Type BLK

Sample Value 0.000

Sample Time 14:04

Data Type CHK

Sample Value 0.101

Sample Time 14:05

Data Type BLK

Sample Value 0.000

Sample Time 14:06

Data Type SUBJ

Sample Value 0.000

Sample Time 14:07

Data Type BLK

Sample Value 0.000

Sample Time 14:08

Data Type SUBJ

Sample Value 0.000

Sample Time 14:10

Data Type BLK

Sample Value 0.000

Sample Time 14:11

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG400202-36

Standard Expiration Date 01/02/2016

Tank Pressure 1125

Barometric Pressure 758 mmHg

Blow Sample Number 1 Blow Duration 3.46 sec

Blow Volume 1956 cc End-of-Blow Time 14:07

Blow Sample Number 2 Blow Duration 3.82 sec

Blow Volume 2170 cc End-of-Blow Time 14:10

Tamper Evident Stamp 4f5ceaf7

Test Status Code 0

Test Status Success